

TOBACCO SMOKE EFFECTS

PARAMETER	TISSUE	SPECIES	EXP	TYP	AUTHOR	YR	LI-CODE	REMARKS
								metabolites
permeability of	lung	guinea	-	M	Hulbert	80	533-B13	-
bronchial mucosa		pig						
phagocytosis	PMN,	mouse	C	M	Keast	83	803-B9	complement,
	peritoneal							killing
phagocytosis	macrophage	rat	C	M	Drath	80	804-B14	=
phagocytosis	lung	man	C	M	Fisher	82	68-A1	-
phagocytosis of	blood	man	C	-	Romanski	84	428-F3	-
tobacco antigens								
phagolysosome fusion	macrophage	rat	B	M	Harris	84	348-B5	-
phospholipids	lipoprotein	rat	B	M	Latha	88	1215-B12	increase
phospholipids	aorta	rat	B	M	Latha	88	1215-B12	increase
phospholipids	heart	rat	B	M	Latha	88	1215-B12	increase
phospholipids	lung	rat	B	M	Latha	88	1215-B12	increase
physiology	lungs	rat	B	M	Lai	87	1100-D14	high vs. low nic., synerg.elas
plaque formation	-	mouse	C	M	Thomas	75	13-K19	-
plaque formation	-	mouse	C	M	Thomas	74	288-G1	-
plasma osmolality	blood	man	C	M	Lambert	83	469-E2	no effect
platelet adhesion,	blood	rat	-	M	Reese	75	22-L23	-
aggregation								
platelet adhesion,	blood	rat	C	M	Mikhail	79	196-G10	increase
aggregation								
platelet adhesion,	blood	?	-	M	Levine	73	158-C11	-
aggregation								
pmn, number	BAL	mouse	C	M	Kew	87	977-B9	increase
potassium	serum	man	A	M	Larson	61	tob11/1b	transient decrease
prenatal toxicity	-	man	-	M	Barrett	81	191-L9	-
primary and	=	mouse	C	M	Thomas	73	13-K16	-

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secondary response to SRBC								
prolactin	serum	rat	A	M	Andersson	87	1024-A1	no effect
prolactin	serum	rat	A	M	Andersson	88	1054-A1	decrease
prostacyclin synthesis	vasc. endothel.	man	C	M	Nowak	87	-	induction
prostaglandin synthesis	macrophage	rat	B	M	Mobley	87	TS 036	no effect
prostaglandins	lung	hamster	-	M	Uotila	80	13-L5	increase
prostaglandins E2 and F2 Alpha	lung	rabbit	-	S	Gunnison	89	-	SOT meeting
protein synthesis	macroph.							
protein synthesis	lung	mouse	-	M	Sershen	81	13-I21	-
protein synthesis	brain	mouse	-	M	Sershen	81	13-I21	-
protein synthesis	brain	rat	-	M	Garrett	78	25-G1	339-A13
protein synthesis	liver	rat	-	M	Garrett	79	339-A13	-
protein synthesis	liver	mouse	-	M	Sershen	81	13-I21	-
protein synthesis	lung	rat	-	M	Garrett	78	25-G1	-
protein synthesis, macrophage	lung	-	-	-	Yeager	69	-	cited in FEP 75/2, p. 395
protein synthesis, macrophage	lung	-	-	-	Low	74	B 072	-
protein synthesis, macrophage	-	-	-	-	Holt	73	23-G20	-
reduction of alveolar space	lung	mouse	C	M	Matulionis	84	348-C11	-
respiration rate	-	rat	B	-	Binns	78	20-C18	decrease
retinol concentration	blood	man	C	M	Sulsky	88	1195-F14	decrease
sce	blood	man	-	M	Wulf	83	75-G8	-
sce	lymphocyte	man	C	M	Carrano	81	175-E13	blood
sce	lymphocyte	man	C	M	Husum	81	178-E9	blood

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sce	lymphocyte	man	C	M	Turanitz	81	184-C2	blood
sce	bone marrow	mouse	B	M	Benedict	84	175-C8	-
sce	blood	man	-	M	Huettnier	80	178-D5	-
sce	lymphocyte	man	C	M	Lambert	78	178-G9	blood
sce	lymphocyte	man	C	M	Murthy	79	182-A8	blood
sce	lymphocyte	man	C	M	Valadaud-Barrie u	79	184-C9	blood
sce	lymphocyte	man	C	M	Hopkin	80	177-C14	blood
sce	lymphocyte	man	C	M	Maeki-Paakkanen	80	181-E5	blood
sce	lymphocyte	man	C	M	Husgafvel-Pursi ainen	80	177-E5	blood
sce	blood	man	-	M	Lambert	80	19-I27	-
secretory cells hyperplasia	trachea	rat	B	M	Rogers	88	1159-E9	recovery with N-acetylcystein e
secretory cells hyperplasia	lungs	rat	B	M	Rogers	88	1159-E9	recovery with N-acetylcystein e
skin lesions over nasal bones	skin	mouse	C	M	Matulionis	84	348-C11	-
sodium	urine	man	C	M	Lambert	83	469-E2	no effect
sperm abnormalities	sperm	man	C	M	Evans	81	478-B5	-
superoxide dismutase	liver	rat	B	M	Gupta	88	1215-A8	increase
superoxide dismutase	lungs	rat	B	M	Gupta	88	1215-A8	no effect
superoxide release	macrophage	rat	C	M	Drath	80	804-B14	-
surfactant	lung	man	-	M	Finley	72	95-C5	-
surfactant	lung	rat	B	M	Jones	73	459-A10	-
surfactant	lung	?	-	M	Le Mesurier	79	14-J21	-
surfactant	lung	man	-	M	Kollerstrom	77	9-C6	-
t lymphocyte, number	lung	man	-	M	Daniele	77	226-E7	-
t lymphocyte, number	blood	man	-	M	Miller	82	817-C3	-

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PARAMETER	TISSUE	SPECIES	EXP	TYP	AUTHOR	YR	LI-CODE	REMARKS
t lymphocyte, number	blood	man	-	M	Binns	82	210-B12	-
t lymphocyte, stimulation	lung	man	-	M	Daniele	77	226-E7	-
t lymphocyte, stimulation	blood	man	-	M	Petersen	83	341-D14	-
t lymphocyte, stimulation	thymus	man	-	M	Silverman	75	341-G6	-
t lymphocyte, stimulation	lung	rat	-	M	Gregson	81	20-H13	-
t lymphocyte, stimulation	spleen	monkey	C	M	Sopori	85	640-F9	decrease, ConA
t lymphocyte, stimulation	-	mouse	-	M	Keast	81	831-F2	-
t lymphocytes, number	blood	man	-	M	Binns	83	803-A13	=
tear secretion	eye	human	A	M	Marquardt	86	757-E5	decrease
tear secretion	eye	human	A	S	Marquardt	86	757-E5	decrease
teratogenicity	-	rat	-	-	Reckzeh, G.	75	619-F6	-
thickening of alveolar septa	lung	mouse	C	M	Matulionis	84	348-C11	-
thioether	urine	rat	C	M	Graziano	84	214-A12	=
thioether	urine	man	C	M	Heinonen	83	590-A13	-
thioether	urine	man	C	M	van Doorn	79	41-F3	-
thromboplastic activity	blood	rat	-	M	Mikhail	79	196-G10	-
thromboxane B2	lung	rabbit	-	S	Gunnison	89	-	SOT meeting
thromboxane synthesis	macroph.	rat	B	M	Mobley	87	TS 036	no effect
tidal volume	-	rat	B	-	Binns	78	20-C18	increase
triglycerides	blood	rat	-	M	Mikhail	79	196-G10	-

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triglycerides	lung	rat	B	M	Latha	88	1215-B12	increase
triglycerides	lipoprotein	rat	B	M	Latha	88	1215-B12	increase
triglycerides	aorta	rat	B	M	Latha	88	1215-B12	increase
triglycerides	heart	rat	B	M	Latha	88	1215-B12	increase
tsh	serum	rat	A	M	Andersson	87	1024-A1	decrease
tumor cell killing	-	mouse	C	M	Holt	76	822-C10	=
viscosity	blood	rat	-	M	Coates	78	22-C8	=
vitamin B2 concentration	blood	man	C	M	Sulsky	88	1195-F14	decrease
vitamin C concentration	lung	guinea pig	B	S	Airriess	88	1143-A1	no effects
vitamin C concentration	lungs	rat	C	S	Chow	87	1211-A2	no effect
vitamin C concentration	serum	man	C	M	Smith	87	1213-G5	reduced vs. nonsmokers
vitamin C concentration	liver	rat	C	S	Chow	87	1211-A2	no effect
vitamin C concentration	liver	rat	C	M	Chow	87	1211-A2	no effect
vitamin C concentration	lungs	rat	C	M	Chow	87	1211-A2	no effect
vitamin C concentration	lungs	guinea pig	C	S	Chow	87	1211-A2	no effect
vitamin C concentration	liver	guinea pig	C	S	Chow	87	1211-A2	no effect
vitamin C concentration	liver	guinea pig	C	M	Chow	87	1211-A2	no effect
vitamin C concentration	lungs	guinea pig	C	M	Chow	87	1211-A2	no effect
vitamin C concentration	lung	guinea pig	B	M	Airriess	88	1143-A1	no effects

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PARAMETER	TISSUE	SPECIES	EXP	TYP	AUTHOR	YR	LI-CODE	REMARKS
vitamin C intake	-	man	C	M	Smith	87	1213-G5	decrease vs. nonsmokers
vitamin E concentration	lung	guinea pig	B	M	Airriess	88	1143-A1	increase, no ef. liver, kidney
vitamin E concentration	lung	guinea pig	B	S	Airriess	88	1143-A1	increase, no ef. liver, kidney
volume, total	lung	mouse	C	M	Matulionis	84	348-C11	decrease

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